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WIPO PUBLICA	TION INFORMATION:	•
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INTERNATIONAL APPLICATION	Y PAPERS IN THE APPLICATION FILE (O)	
International Application (RECORD COP)	International Appl. on Double Sided Pa	per <i>(Cortes</i>
Article 19 Amendments	Request form PCT/RO/101	
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Annexes to 409	Other:	
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Description	Information Disclosure Statement(s) File	don:
Claims	03/27/09	
	Assignment Document	
Words in the Drawing Figure(s)	Power of Attorney/ Change of Address	
Article 19 Amendments		
	Substitute Specification Filed on:	
Annexes to 409 Clentered Clnot entered		•
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Oath/ Declaration (executed)	(if submitted after Receipt Date - Is it timely 1 Y/N)	
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5 U.S.C. 371 - Receipt of Request (PTO-1390)	3/29/04	<u> </u>
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ate of Completion of DO/EO 916 - Notification of Defective Response		
ate of Completion of DO/EO 903 - Noutleation of Acceptance		

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

10/491049

To:

LARSEN & BIRKEHOLM A/S
Skandinavisk Patentbureau

MODTAGET

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MODTAGET

ANOTIFICATION OF TRAIN

Skandinavisk Patentbureau
Banegàrdspladsen 1
DK-1570 K benhavn V
DANEMARK

NOTIFICATION OF TRANSMITTAL OF Larsen & Birkeholm A/SHE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing

(day/month/year)

04.06.2003

Applicant's or agent's file reference 17675 PCT

International application No.

PCT/DK02/00673

International filing date (day/month/year) 08/10/2002

Priority date (day/month/year)

IMPORTANT NOTIFICATION

18/10/2001

Applicant

SFK-DANFOTECH A/S et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

For the purpose of deciding whether the claimed invention is patentable or not, the elected Offices may apply criteria additional to or different from the criteria on which the international preliminary examination report is based (see Articles 27(5), 33(5)). Additional criteria may include e.g. exemptions from patentability and the requirements of enabling disclosure and of clarity and support of claims.

Name and mailing address of the IPEA/

European Patent Office D-80298 Munich

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PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference			FOR EURTHER AC	TION		ation of Transmittal of International	
17675 PCT FOR FURTHER ACTION Preliminary Examination Report (Form PCT/IPEA/416)						416)	
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PCT/DK	PCT/DK02/00673 08/10/2002 18/10/2001						
International A23B4/0		ent Classification (IPC) or na	tional classification and IPC	:			
Applicant							-
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		ational preliminary exam smitted to the applicant a		prepared	by this Inte	rnational Preliminary Examining A	uthority
2. This i	REPC	PRT consists of a total of	4 sheets, including this	cover sh	neet.		
b (:	 This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets. 						
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3. This r	_		ating to the following item	ns:			
1	Ø	Basis of the report					
11 111		Priority Non-establishment of o	prinion with regard to no	volty inv	antiva etan :	and industrial applicability	
III IV				veny, mv	eniive siep i	and industrial applicability	
v	⊠	Reasoned statement u			novelty, inve	ntive step or industrial applicability	/ ;
VI		Certain documents cite	ed				
VII		Certain defects in the in	nternational application				
VIII		Certain observations of	n the international applic	ation			
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Date of sub	missio	on of the demand		Date of c	completion of	this report	
03/05/2003 04.06.2003							
Name and mailing address of the international preliminary examining authority: Authorized officer					SOES AND PORTS		
European Patent Office D-80298 Munich					ez Miralles	, J	
Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465				Talamban	No 40.00	1300 SEE	DULO SONO HO



International application No. PCT/DK02/00673

	I.	Basis	of the	report
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1. With regard to the elements of the international application (Replacement sheets which have been furnished the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally file and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)): Description, pages:								
	1-7		as originally filed					
	Cla	Claims, No.:						
	1-14		as originally filed					
	Dra	Drawings, sheets:						
	1/3-	3/3	as originally filed					
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.							
	The	These elements were available or furnished to this Authority in the following language: , which is:						
		☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).						
		the language of publication of the international application (under Rule 48.3(b)).						
		the language of a 55.2 and/or 55.3).	translation furnished for the purposes of international preliminary examination (under Rule					
3.			leotide and/or amino acid sequence disclosed in the international application, the y examination was carried out on the basis of the sequence listing:					
		contained in the in	ternational application in written form.					
		☐ filed together with the international application in computer readable form.						
		furnished subsequently to this Authority in written form.						
		furnished subsequently to this Authority in computer readable form.						
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
The statement that the information recorded in computer readable form is identical to the wrillisting has been furnished.								
4.	The	amendments have	resulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK02/00673

	the drawings,	sheets:
		established as if (some of) the amendments had not been made, since they have been yond the disclosure as filed (Rule 70.2(c)):
	(Any replacement sh report.)	neet containing such amendments must be referred to under item 1 and annexed to this
Add	litional observations, i	f necessary:
		☐ This report has been considered to go bey

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Yes: Claims 1-14

No: Claims

Inventive step (IS) Yes: Claims 1-14

No: Claims

Industrial applicability (IA) Yes: Claims 1-14

No: Claims

2. Citations and explanations see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

1) Reference is made to the following document:

D1: EP-A-0 574 327 (JAEGER PARTICIPATIONS S.A.)

2) The subject-matter of present claims 1-14 complies with the requirements of novelty and inventive step as set forth in Article 33(2) and (3) PCT.

None of the prior art citations mentioned in the International Search Report anticipates or even fairly suggests an apparatus and a method for thawing frozen blocks of meat comprising a massage system consisting of a rotating/revolving drum supplied with inner massage wings, wherein the interior of said massage wings is supplied with a heating liquid, so that the temperature of the surface of said massage wings is higher than the temperature of the frozen meat block. Contact of the frozen meat block with said heated massage wings inside the revolving drum provides homogeneous heat exchange for thawing.

The closest prior art D1 discloses a rotating drum wherein heat exchange is performed simply by contacting the drum outer wall with air at room temperature by means of an air circulation system.

Accordingly, the subject-matter of present claims 1-14 is to be considered as nonobvious in the light of the prior art.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





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(10) International Publication Number WO 03/032740 A1

A23B 4/06 (51) International Patent Classification7:

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18 October 2001 (18.10.2001) DK

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(72) Inventor; and

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(74) Agent: LARSEN & BIRKEHOLM A/S; Skandinavisk Patentbureau, Banegårdspladsen 1, P.O. Box 362, DK-1570 Copenhagen V (DK).

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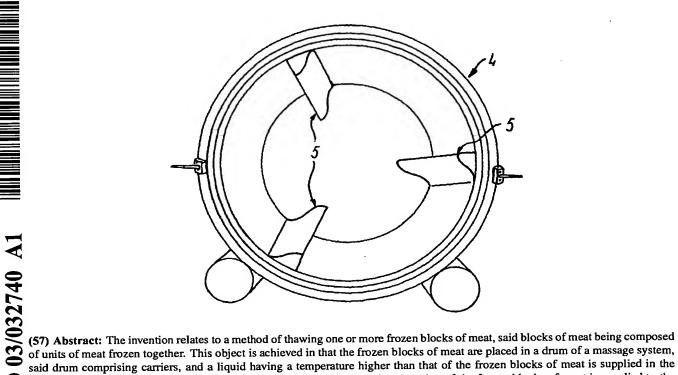
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: A METHOD AND MEANS OF THAWING MEAT AND USE THEREOF



said drum comprising carriers, and a liquid having a temperature higher than that of the frozen blocks of meat is supplied in the interior of the massage wings, and that brine having a temperature higher than that of the frozen blocks of meat is supplied to the drum. The drum rotates/revolves, and the blocks of meat are continuously broken up into smaller units of meat. Preferably, a negative pressure is established in the drum during thawing.

